

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hirai, Mitsuharu  
App. No : 10/553,576  
Filed : October 17, 2005  
For : METHOD OF DETECTING OR  
QUANTITATIVELY DETERMINING  
MITOCHONDRIAL DNA 3243  
VARIATION, AND KIT THEREFOR  
Examiner : Staples, Mark  
Art Unit : 1637  
Conf # : 4658

DO NOT ENTER

/M.S./

August 7, 2008

AMENDMENT AFTER FINAL**Mail Stop AF**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action sent April 29, 2008, Applicants respectfully request the Examiner to enter the following amendments and consider the following arguments.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 3 of this paper.